

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011399

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/37 G01N33/574

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
L	US 2003/096391 A1 (KAPELLER-LIBERMANN ROSANA ET AL) 22 May 2003 (2003-05-22) Cited against unity of invention. paragraph [0049]; sequence 2	1-25
X	WO 01/83782 A (SUGEN, INC) 8 November 2001 (2001-11-08) page 29, line 16 - page 43, line 10 page 49, line 14 - page 50, line 11 page 41, line 1 - page 43, line 10; sequences 32,67 ----- -/--	1-25

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

4 February 2005

Date of mailing of the international search report

- 6. 06. 2005

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 26
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-25 (partially)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are cardiovascular disorders.

2. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are endocrinological disorders.

3. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are metabolic disorders.

4. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are cancers.

5. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the disease is inflammation.

6. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are gastroenterological diseases.

7. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are hematological diseases.

8. claims: 1-25[partially]

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are respiratory disorders.

9. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are neurological diseases.

10. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are urological diseases.

11. claims: 1-25[partially]

Diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with RNPEPL1, in which the diseases are reproduction disorders.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 01/98468 A (INCYTE GENOMICS, INC) 27 December 2001 (2001-12-27) cited in the application page 46, line 29 - page 48, line 2; claims 19,22,25-27 page 58, line 19 - page 61, line 29; claims 32,34 page 46, line 29 - page 48, line 2; claims 18,21; sequence 3</p> <p>-----</p>	1-25

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003096391 A1	22-05-2003	EP 1343878 A2 WO 02051991 A2 US 2004058355 A1	17-09-2003 04-07-2002 25-03-2004
WO 0183782 A	08-11-2001	AU 5947301 A CA 2408105 A1 EP 1294901 A2 JP 2004504812 T WO 0183782 A2	12-11-2001 08-11-2001 26-03-2003 19-02-2004 08-11-2001
WO 0198468 A	27-12-2001	AU 6983601 A CA 2411971 A1 EP 1292684 A2 JP 2004515217 T WO 0198468 A2	02-01-2002 27-12-2001 19-03-2003 27-05-2004 27-12-2001